

ANNUAL REPORT

COUNTY AGENT WORK

Newberry
County

SOUTH CAROLINA

1947

S. D. Marshall

Negro Agricultural Agent

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

ANNUAL NARRATIVE REPORT OF WORK
NEWBERRY COUNTY, SOUTH CAROLINA

1947

S.B. MARSHALL - NEGRO AGRICULTURAL AGENT

Cooperative Extension Work in Agriculture and Home Economics
Clemson Agricultural College and the
United States Department of
Agriculture Cooperating
Extension Service
D. W. Watkins, Director
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SUMMARY OF ACTIVITIES & ACCOMPLISHMENTS

1. Days spent in office - - - - -	88
2. Days spent in field - - - - -	203
3. Days Agent worked - - - - -	291
4. Miles Agent traveled - - - - -	12,291
5. Farm visits made - - - - -	441
6. Different farms visited - - - - -	339
7. Office calls at agent's office - - - - -	555
8. Telephone calls at agents office - - - - -	176
9. Meetings held or attended - - - - -	78
10. Attendance at these meetings - - - - -	2,809
11. Number communities in which extension work was conducted - - - - -	18
12. Number of farmers conducting demonstrations -	52
13. Number of voluntary community leaders, assisting with extension program - - - - -	54

PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

One County outlook meeting was held with fifty-nine (59) farmers present. Held four (4) community outlook meetings with one hundred and forty-nine present. Conducted two complete farm record demonstrations. Assisted six (6) farmers in farm record demonstration. Held two (2) AAA meetings with seventy-eight farmers attending. Assisted 122 farmers in making application for lime and superphosphate.

AGRICULTURAL ENGINEERING

Held one (1) soil conservation meeting with sixty-two (62) farmers attending. Assisted fifty-eight farmers with terraces. Conducted one dynamiting demonstration at which time one hundred and seventy-six (176) feet of ditch was blasted with fifty farmers present. Plans for the construction of five dwellings were given. Assisted nineteen farmers in repairing dwellings, and seven (7) in remodeling farms. Placed one electric brooder, and gave 8 demonstrations on building brooder houses. Placed four (4) water pumps, and assisted four farmers with installation of bath rooms. Gave plans for 17 out-door toilets. Held 6 demonstrations on farm machinery with 78 present.

AGRONOMY

Conducted one five (5) acre cotton demonstrations, five hybride corn demonstrations. Held two (2) meetings on oorm production. Placed 800 lbs pure cotton seeds. Conducted four (4) lespedeza for hay production demonstrations, three wheat production demonstrations, four oats production demonstrations, and three permanent pastures demonstration. Held 4 hay cutting and racking demonstrations with thirty three farmers present.

ANIMAL HUSBANDRY

Held two swine production meetings with thirty-two (32) farmers attending. Mailed & handed out 72 bulletins. Conducted four boar castration demonstration. Placed four pure bred sires, and three pure bred gilts. Conducted seven meat cutting and canning demonstrations with 126 attending. Assisted thirty one families in securing pressure

cookers. Placed two (2) pure bred beef bulls.

DAIRYING

Conducted seven (7) method demonstrations on preparing milk utensils, before, while using, and after milking with fifty three (53) attending. Placed two (2) pure bred dairy bulls. Conducted three (3) Bull service demonstrations. Placed eleven (11) high grade heifers valued at \$ 185.00. Held six (6) meetings on the family cow with sixty four (64) farmers present. Assisted thirty seven (37) families in securing cows. Conducted three (3) summer grazing demonstrations. Conducted twenty nine (29) 4-H dairy calf club demonstrations valued at \$ 2,113.80, at a cost of \$1,190.65, and with a profit of \$ 1,023.15. Seven calves were shown at district show, winning one first two secondplaces, three third places, and one fourth place.

ENTOMOLOGY AND PLANT PATHOLOGY

Held two (2) meetings on control of garden insects with thirty nine (39) farmers attending. Issued 119 bulletins on control of insects. Conducted five (5) demonstrations on treating cotton seeds with 2% ceresan with 67 farmers attending. Contacted 363 farmers with regards to treating cotton, oats, and wheat. Held one (1) meeting and conducted 3 demonstrations on control of chinch and bill bugs. One hundred (100) farmers followed recommendations with good results. Trained thirteen (13) demonstration teams to vaccinate poultry. Assisted 84 farmers in securing vaccinating materials. Conducted 4 demonstrations on control of cattle lice with 47 farmers attending. Conducted 3 demonstrations on control of brow rot using the 80-5-15 dust mixture, with 24 farmers attending.

4-H CLUB WORK

Thirteen (13) 4-H Clubs organized with an enrollment of one hundred forty seven (147) boys, one hundred twenty one (121) of whom completed demonstrations producing farm products with a value of \$15,509.85, at a cost of \$ 9,696.19, leaving a net profit of \$ 3,813.16. Held one (1) achievement day program with 364 members and friends present. Attended one 4-H camp with 29 members. Trained one judging team. Reorganized and held four (4) meetings with 4-H county council.

FORESTRY

Conducted two thinning demonstrations in pulpwood thinning contest, with clubsters winning one (1) county prize in the five acre and second prize in the county in the one acre. Prize money amounted to \$ 27.00

HORTICULTURE

Conducted twelve (12) pruning demonstrations and six (6) Planting demonstrations. Issued monthly orchard letter. Assisted 48 farmers in securing fruit trees. Made 212 personal contacts on garden production. Assisted 19 farmers in marketing \$ 436.00 worth of snap beans and tomatoes. Held 2 meetings on sweet potato production with 41 farmers attending. Conducted three (3) harvesting and grading demonstrations. Conducted four (4) sweet potato production demonstrations.

POULTRY

Conducted four (4) poultry production demonstrations. Assisted in the purchasing of 24,000 baby chicks.

Assisted 89 adults and clubsters with poultry problems. Conducted three (3) vaccination demonstrations.

PUBLICITY

Individual letters written six hundred and sixty three (663), circular letters eight (8), copies of circular letters, one thousand two hundred and seventy seven (1277) bulletins distributed nine hundred and twenty two (922), educational motion pictures shown, four (4), press articles written, six (6).

County, Community and Neighborhood Organization Of Volunteer Farm and home Leaders

1. County Agricultural Committee:

A. The County Agricultural Planning Committee is composed of farm men from all sections of the county. These men are engaged in farming on different levels. Some are owners, share croppers, and farm laborers. These men, for the most part, were hand picked by the Negro Agricultural Agent, on the basis of their attainment, influence, and leadership ability in their respective communities.

B. Names and addresses of County Committees:

L. H. McNary,	Route 4,	Newberry, S.C., Chairman.
Jasper Bobo,	Route 4,	Newberry, S.C.
J.S. Broadwater,	Route 1,	Silverstreet, S.C.
Manus Caldwell,	Route 1,	Newberry, S.C.
Adam Cromer,	503 Caldwell Street,	Newberry, S.C.
Leo H. Davenport,	Route 4,	Newberry, S.C.
Asa Eigner,	Route 3,	Newberry, S.C.
Dennis Graham,	Route 1,	Silverstreet, S.C.
Dr. J.E. Grant,	P. O.	Newberry, S.C.
Larkin Jackson,	Route 3,	Newberry, S.C.
Os Lake,	Route 1,	Silverstreet, S.C.
John Alexander,	Route 4,	Newberry, S. C.
Frank Pitts,	Route 1,	Newberry, S. C.
T. E. Robinson,	Vincient Street,	Newberry, S. C.
James Rutherford,	Route 3,	Pomaria, S. C.
Swain Satterwhite,	Route 1,	Silverstreet, S. C.
Hampton Acurry,	Route 1,	Silverstreet, S. C.
Woods Thomas,	Route 2,	Whitmire, S. C.
Torrance Tribble,	Route 1,	Kinards, S. C.
Elliott Wheeler,	Route 1,	Little Mountain, S. C.
Jimmie Williams,	Route 4,	Newberry, S. C.
R.L. Whitney,	Route 2,	Whitmire, S. C.
Arthur Young,	Route 3,	Newberry, S. C.
Ralph Williams,		Newberry, S. C.

EXECUTIVE COMMITTEE

Leo H. Davenport - Chairman
 Os Lake - - - - Secretary
 Asa Eigner
 Jessie Jeter
 Hampton Scurry

C. The duties and responsibilities of the County Agricultural Planning Committee are to make an intensive study of the needs of the farmers in the program to meet the needs of the communities, and assist in making plans and a committee to meet semi-annually.

At these meetings, plans will be made for field meetings, Community meetings and towns out of the county. It is also the duty of this Committee to distribute information to the people living in remote localities.

2 - Community Agricultral Committees And Neighborhood Leaders:

<u>A. Communities</u>	<u>Neighborhood Leaders</u>
<u>Prosperity Community</u>	<u>6</u>
Mt. Hebron	3
Caughman Grove	3
<u>Fairview Community</u>	<u>8</u>
Kiette Pleasant Hill	3
Colonel Brown	2
Broad River	3
<u>Mabinton Community</u>	<u>5</u>
Seekwell	3
Trinity	2
<u>Silverstreet Community</u>	<u>8</u>
Belmont	2
Dan Watkins	3
Mudlick	3
<u>Hannah Community</u>	<u>6</u>
Elisha	4
Stockman	2
<u>Bush River Community</u>	<u>6</u>
Clark's Hill	3
Dominick	3

List Of Programs And Campaigns Handled Through Voluntary Leaders:

1. Outlook Information

One county-wide meeting was held at the county court house with neighborhood and community at which time the Agricultural outlook for 1947 was discussed and explained fully by the extension specialists. In addition to the discussions by the specialists leaders were given outlook bulletins and other outlook material. These leaders returned to their respective communities and distributed this information among the farmers. Community and Neighborhood leaders were also instrumental in making the four (4) Community outlook meeting which we scheduled and held a great success, with one hundred and forty nine (149) present.

2. Lime and Superphosphate

As in the past, community and neighborhood leaders have been a tremendous help in assisting the Agricultural Agent in encouraging and assisting farmers to make applications for lime and superphosphate to be applied to land where it is needed. This year application blanks were furnished the Agricultural Agent by the A A A office to assist farmers with making applications part of the blanks given the agent were left with Key community and neighborhood leaders throughout the county to also assist with taking orders. As a result of this undertaking one hundred twenty two (122) farmers have filed applications for lime and superphosphate, some have received their allotment, others are still waiting for same.

3. Seeding Small Grain

Community and neighborhood leaders have rendered a very valuable service in getting information distributed to farmers in regard to planting small grains. The production of more and better quality grain has become so urgent that we have had to help more and more on local leaders to assist us in encouraging farmers to obtain certified seed, plant on time and fertilize according to recommendations. As a result of an intensive drive along this line 29 farmers obtained 154 bushels of certified small grain seed and seventy three (73) other obtained tripple cleaned seed.

4. 4 - H Club Work

The local leaders of this county are doing a magnificent piece of work and are rendering a great service in assisting the Agricultural Agent with the 4-H program. At the beginning of every year we hold a leaders training meeting at which time leaders are trained in the workings and procedures of the 4-H clubs. After this meeting leaders meet their respective clubs in their various communities once per month along with the Agriculture Agent, when it is not possible for the agent to meet with a particular club the local leader is notified, a demonstration is send with the notification and is given to the club by the leader. The local leaders also assist the agent with checking individual 4-H projects and in assisting members of the club in keeping records up to date.

PROJECT ACTIVITIES AND RESULTS

Agricultural Economics

Work in Agricultural Economics and farm management in 1947 included the following outlook meetings, complete farm records, farm planning, cooperation with other farm and governmental agencies.

Outlook Meetings

One county outlook meeting was held at the county court house with fifty nine (59) farmers in attendance. At this meeting the extension economist discussed the farm outlook for the year 1947.

Following this meeting four (4) other outlook meetings were schedule and held in local communities by the Agricultural and Home Agents, with the local leaders assisting. Attending these meetings were one hundred and forty nine (149) farmers who eagerly accepted the outlook information offered and asked many questions concerning that which they did not understand.

Because of the large part which outlook information plays in the shaping and the planning programs of the farms in the county, we mailed bulletins, letters, and enlisted the aid and cooperation on the ministers and churches in getting this information to farmers whom we were unable to reach through the regular outlook meetings.

Complete Farm Records

Two (2) Newberry farmers kept complete records of their farming operation in 1947. These records will be found in the demonstrations under the various agricultural topics throughout this report. Both of the farmers keeping these records have assured me that records will be kept henceforth on all farming operations as they have only now found out the value of the same and the saving in dollars and cents to them. A list of the farmers keeping farm records are listed as follows:

Complete Farm Records Demonstrations 1947

Name	Address	Size of Farm Number of Acres	Predominant Type of Farming
Jasper R. Bobo,	Route 4, Newberry, S.C.	143	Cotton & Dairying
Raymon Spearman,	Route 4, Newberry, S.C.	87	Cotton & Dairying

Farm Planning Demonstrations

Again this year demonstrations were carried with six (6) Newberry county farmers in farm planning for the purpose of enabling farmers to develop a twelve month system of farming so that maximum production may be attained, maximum use of machinery, labor, fertilizer may be utilized. Since these types of demonstrations were started two years ago, we have assisted many farmers in planning their farming programs. The result has been that the farm income has been increased, where these plans were followed closely, from \$ 783.65 to \$ 1,219.25. A list of the six (6) farmers completing demonstrations this year are as follows:

Farm Planning Demonstrations

Name	Address	Size of Farm Acres
Elliott Caldwell,	Route 1, Box 89, Newberry, S.C.	138
Sim Hawkins,	Route 1, Box 110, Prosperity, S.C.	281
Tom Brown,	Helena, S. C.	67
Adam Cromer,	Route 4, Newberry, S.C.	239
Luther Pary,	Route 3, Newberry, S.C.	145
Dennis Graham,	Route 1, Box 159, Silverstreet, S.C.	74

COOPERATION WITH FARM AND GOVERNMENTAL AGENCIES

During the year we have cooperated with other agricultural agencies in the County in helping to improve the standard of living and improve the system of farming of farmers in the county. The agencies whom we cooperated with are as follows: The Farm Home Administration, we assisted this agency as always in finding suitable clients, and further by assisting the clients already under contract in following their outlined farm plan.

Second, we have cooperated with the soil conservation service by assisting and encouraging their forty clients in following their farm plans, further we have cooperated in getting lines runned for the terracing of 18 farms and farm plans made for same.

Third, we have assisted and cooperated with the Agricultural adjustment agency informing farmers of the materials and benefits available for them through the certain practices set up by that agency. Some of the things done in carrying out this were assisting 122 farmers in making applications for lime and superphosphate, and the holding of two (2) AAA meetings with seventy-eight (78) members attending.

AGRICULTURAL ENGINEERING

Work in Agricultural Engineering in 1947 included the following: Soil Conservation, Farm building, Farm water system, Sanitation, Farm machinery, and tractor schools.

SOIL CONSERVATION

With the cry for more and better quality production of farm crops, intensified efforts of soil conservation were again given much care and attention. Soil Conservation work was conducted this year in six communities, and the result of the work carried on in these communities are as follows: One soil conservation meeting was held with 62 farmers attending, at this meeting farmers were taught good land usage, the importance of terracing and maintenance of same, rotation of crops, and drainage. As a result of this meeting eighteen farms were terraced and forty farms built and repaired their own.

So that farms with marshy and otherwise difficult places to drain may be put into productive use we scheduled and held one dynamiting demonstration with fifty two farmers attending this demonstration, one hundred and seventy six feet were blown, the resulting ditch was six feet wide and four one half ($4\frac{1}{2}$) feet deep, and has proved quite adequately in providing the necessary drainage for the plot of land, which is now being developed into pasture land.

FARM BUILDING

Since the relatively large flow of building material have come back into the market, and the labor problem has been somewhat improved, we have had many farmers to call upon us to get building plans for them, and assist them in remodeling problems. The results of these calls, were that plans were delivered for five dwellings, nineteen families were assisted in planning and carrying out of their dwellings: Seven farmers were assisted in building general purpose barns, and fourteen (14) were assisted in remodeling same. Eight (8) methods demonstration were also given on the construction of brooder houses, and one electric brooder was placed.

FARM WATER SYSTEM

Realizing that on adequate supply of water must be maintained for the residents and livestock of the farm, we began again this year to urge farmers to install electric

pumps and bath rooms. As a result, four (4) farmers have purchased pumps and have begun buying materials for their bath rooms. Four (4) other farmers we started in the installation of bath rooms last year, are still under construction because of the shortage of labor and materials.

SANITATION

We have found that disease among the rural people of this county is relatively high. We investigated and found that a lot of sickness comes from unsanitary conditions. Seeking to alleviate some of this sickness, we campaign and urge farmers to improve the sanitary condition around farms and homes. As a result assistance and plans were given to seventeen (17) farmers for the building of out-door toilets and thirty one (31) homes were screened so as to keep out flies and other insects.

FARM MACHINERY & TRACTOR SCHOOLS * * * *

Farmers in this County this year were more farm equipment minded than in any previous year, this was due to the high cost of parts, the scarcity of same, and the labor problem. Knowing the farmers situation along this line, we scheduled and held six (6) demonstrations on the care and upkeep of farm machinery to which seventy eight (78) farmers attended at these demonstrations. Farmers were taught the following: The replacement of broken blades in a broken mower, preparing for and storing equipment when not in use, how to prepare broken plows, and how to sharpen saws.

Assistance was also given in the purchasing of six tractors, four cultivators, one combine, and one cultipacker.

Again this year, four farmers whose names are as follows: Mr. R. L. Whitney, Mr. Woods Thomas, both of Rte 2, Whitmire, S.C., Mr. Marcellous Caldwell, Rte 3, Newberry, S.C., and Mr. Archie Hill, Rte 1, Silverstreet, S.C. rendered valuable service to fifty six farmers this year in cutting their land, planting and harvesting their grain, so that the owners of equipment would have a minimum amount of breakdowns and lots of time, the farmers whom they serviced, made an agreement as follows: First, owners of equipment must be notified in late summer that his service is desired for his work. Second, that fields to be serviced must be easily accessible, third, that each farmer clean up the stumps and other obstructions, which may damage machinery.

Total number of bushels of grain harvested, five thousand four hundred thirty five (5435).

AGRONOMY

Work in agronomy in 1947 includes the following: Demonstrations and educational work in cotton, corn, lespedeza for hay, wheat, oats and pastures.

COTTON

Five Acre Cotton improvements demonstrations

One (1) farmer of two (2) enrolled completed his five-acre cotton improvement contest demonstration in 1947 and submitted a record. A summary of this record follows:

Summary Results Five-Acre Cotton Improvement Demonstration

Name	Lbs Seed Cotton	Lbs Lint	Value Crop	Cost Prod.	Net Profit	Lint Cost	Per cent Lint	Variety
Paul Williams	9085	3634	\$1,162.88	\$434.00	\$728.88	8.3	40	DP
Average yield Lint per Acre - 726.13								
Average Value Per Acre - \$232.58								

IMPROVED SEED

This year we campaigned again for farmers to purchase or otherwise secure new and improved cotton seed from breeders so that the production would be greater than in previous years. The result was that through the Newberry County farmers Association, (which is an organization organized this year for the purpose of assisting farmers in buying at a saving and selling at a profit,) we were able to place eight hundred pounds (800) of pure seed with nineteen farmers this year. This work will be continued until the majority of our farmers are getting new seed every two years.

CORN PRODUCTION

Continued emphasis was placed on the production and the increase in yield in Newberry County during 1947. Two meetings held and discussions of the type of soil, fertilizer, and best methods of cultivation was discussed. Personal contact were also made and suggestions as to proper varieties of hybrid, and prolific corn for this county were given.

HYBRID CORN PRODUCTION DEMONSTRATIONS: Five farmers completed demonstrations in hybrid corn product this year showing that good seed, proper fertilization, the right spacing, and the correct amount of cultivation, pays off in yield. A summary of these demonstrations follows.

SUMMARY HYBRID CORN DEMONSTRATIONS

Name	Acres	Yield Bu	Bu per acre	Cost Pro- duction	Value	Profit
Asa Eginer	5	235	47	\$168.25	\$587.50	\$419.25
Rufus Davenport	4	216	54	142.10	540.00	397.90
Jimmie Shelton	3	183	61	111.39	457.50	346.11
Mark Clark	4	196	49	149.20	490.00	340.80
Dennis Graham	3	174	58	108.43	345.00	236.57
	19	10,04	AV. 52.8	\$679.37	\$2,420.00	\$1,740.63

Average Prod. Bu. Per. A. - 52.8
 Average Value Per A @ \$2.50 per Bu \$127.36
 Average Cost Per Bu -- 67.6¢

The above demonstrations show the farmers completing them produced an average of 52.8 bushels of corn on nineteen acres, the result of following improved practices.

LESPEDeza FOR HAY PRODUCTION

Demonstrations of lespedeza for hay production were completed four (4) farmers in 1947. A summary of these demonstrations follows:

SUMMARY DEMONSTRATIONS OF LESPEDeza FOR HAY PRODUCTION 1947

NAME	VARIETY	ACRES	YIELDS TON	COST PRO- DUCTION	COST PER TON	VALUE	PROFIT
Shealy Means	Kobe	6	11	\$154.80	\$13.80	\$605.00	\$450.20
L. H. Davenport	Kobe	4	9	115.20	12.80	495.00	379.80
Junie Counts	Kobe	4	6	109.45	18.24	330.00	220.55
S. J. Broadwater	Tenn. 76	5	10	138.50	13.85	550.00	411.50
TOTALS		19	36	\$517.95	\$58.69	\$1,980.00	\$1,472.00
		Av. Yield per. A-19		Av. Cost Per Ton \$16.30			

All of the land on which the above demonstrations were grown. were treated in 1946 with lime. These demonstrations show that on 19 acres of land a total of thirty six (36) tons of hay was grown at a cost of \$16.30 per ton leaving a profit of \$1,472.05.

WHEAT PRODUCTION

Farmers in the County increased their wheat production this year for more than in any other, this was due to the shortage of wheat and the ever increasing interest in same. We campaigned for farmers to use new and improved seeds so as to get the best production the result of my effort was that seventy two farmers purchased new seed and promised to follow recommend practices in cultivation.

Three demonstrations were completed in wheat production in 1947. A Summary of these demonstrations follows:

SUMMARY OF WHEAT DEMONSTRATIONS 1947

NAME	VARIETY	ACRES	YIELD		COST	COST		VALUE	PROFIT
			PER BU.	PER ACRE		PER BU.	PER ACRE		
L. H. McNary	Redhart	5	160	32	\$94.15	.58	\$360.00	\$265.85	
Eugene Graham	Redhart	3	78	26	47.25	.60	175.50	128.25	
John Williams	Redhart	3	75	25	44.80	.59	168.75	123.95	
TOTALS		11	313	28.5	\$186.20	.59	\$703.25	\$518.05	

It will be noted that farmers conducting wheat demonstrations have made a decided increase in yield as compared to the county and state averages. This wheat was produced at a cost of .59 cents per bushel, and giving a total profit of \$518.05 of 11 acres of land.

OATS PRODUCTION

Four (4) demonstrations were completed in the production of oats. Emphasis were placed new and improved seed and cultural practices. A summary of these demonstrations follows:

SUMMARY OF OATS DEMONSTRATIONS 1947

NAME	VARIETY	ACRES	YIELD		COST	COST		VALUE	PROFIT
			PER BU.	PER ACRE		PER BU.	PER ACRE		
Harrison Reeder	Fulgrain	5	265	53	\$111.25	.42	\$331.22	\$219.97	
Nem F. Hawkins	Fulgrain	5	285	57	\$119.10	.42	\$356.25	\$237.15	
Cullen Reuben	Fulgrain	4	208	52	\$84.10	.40	\$260.00	\$175.90	
Benjamin Mitchell	Fulgrain	5	270	54	\$122.10	.45	\$327.50	\$205.40	
Totals		19	1028		\$436.55		\$1,274.97	\$838.42	

The above demonstrations were carried with certified first year seeds and shows that 19 acres produced 1028 bushels of oats at an average cost per bu. of .42.

HAY CUTTING DEMONSTRATIONS

During the year 1947 we continued a very concerted effort to assist and encourage farmers to cut and cure hay correctly so as to cut down on losses due to rotting and molding because of curing incorrectly. This effort was carried out in the following manner: two (2) meetings were held, and 4 demonstrations were given on making hay racks according to the extension specifications, and curing hay with 33 farmers present.

PERMANENT PASTURES

Permanent pastures are fast becoming a permanent part of the agriculture of this county. This year twenty two (22) farmers in purchasing seeds co-operatively, and securing lime and superphosphate. Three (3) result demonstrations were completed this year. A summary of these demonstrations follow:

SUMMARY PERMANENT PASTURES DEMONSTRATIONS

NAME	Num- ber- Acres	Year begin	Soil Type	Degree of Ero- sion	Machan- ical Engr. Prep.	Fert- il- izer used	No. Ani- mals Graz- ing	Grass- Seed- ed	Dates Graz- ing begin & ended
S. Means	8	1945	Cecil	Slight	Furrowed	Phos.	8	Dallas Hops	April 10
W. Cannon	5	1945	Cecil	Slight	Furrowed	Phos. & Lime	6	Dallas, hop & Clover & Lespedeza	Aug. 20 April 5 to
T. Clark	8	1947	Cecil	None	Furrowed	Phos. & lime & 200L 4-10-6	200L	Dallas hop & Clover & Lespedeza	Aug. 15

ANIMAL HUSBANDRY

Animal Husbandry work in the county consisted of the following:
Educational work with swine and dairy cattle.

SWINE

During the year much emphasis has been put on the getting rid of scrub swine, acquiring pure bred or high grade and breeding back to pure bred and improved feeding practices with all swine. This work was carried out by the following method: two (2) meetings was held with 32 farmers attending, 72 bulletins were mailed and handed out, 4 boar castration demonstrations were given at which time 29 boars were castrated. Four

(4) pure bred sires were placed this year, these boars were selected on the basis of their parents and their past performance and also on type and quality. A record of these placings follows:

Record of Pure Bred Boars Placed in 1947

Name	No. of Boars	Breed	Age	Cost
Willie L. Smith	1	Poland China	8 Mo.	\$47.50
George Krepts	1	Poland China	6 Mo.	\$43.40
L.H.Davenport	1	Poland China	9 Mo.	\$54.20
Henry Glasgow	1	Poland China	6 Mo.	\$49.45
Totals	4			\$194.55

Following is given a record of the placings of purebred boars by years in the county since 1946.

Summary Placings of Purebred Boars - 1946 - 1947

Year	Number Placed
1946	7
1947	4
Total placed in 2 yrs.	11

Summary Purebred Gilts Placed in 1947

Name	No. of Gilts	Breed	Age	Cost
Asa Eigner	1	Poland China	7 Mo.	\$64.20
L.H.McNary	1	Poland China	9 Mo.	\$77.00
Willie L. Smith	1	Poland China	6 Mo.	\$58.50
Totals	3			\$199.70

MEAT CUTTING AND CANNING DEMONSTRATIONS

This year following a program designed to help farmers produce and conserve food, we gave seven (7) meat cutting and canning demonstrations with one hundred and twenty six (126) farmers attending. At these demonstrations farmers were taught the best methods of killing, so that the animal may bleed correctly, the right procedures in handling meat in getting it prepared for processing.

Further we demonstrated the proper mixture and the correct proportions thereof needed for curing meat. As a result of these demonstrations thirty one (31) families have secured pressure cookers with which to conserve their surplus foods. Also forty eight

(48) families checked for meat spoilage because of improper handling and curing was less than 10%.

PUREBRED SIRES PLACED: Two purebred Aberdeen Angus bulls were purchased this year by two farmers, as the beginning of foundation stock on which it is there proposed plan to build a beef herd.

SUMMARY BEEF BULLS PLACED 1947			
Name	Breed	No. Placed	Cost
J.E. Grant	Angus	1	\$150.00
Ralph Williams	Angus	1	\$150.00
Totals		2	\$300.00

DAIRYING

Work in dairying in 1947 included the following: Educational demonstrations on the care and use of dairy equipment, placing of purebred bulls, high grade heifers, and annual grazing demonstrations.

CARE AND USE OF DAIRY EQUIPMENT

This year we continued our work on teaching and educating farmers in the care and handling of milk, and the equipment used with same. This was done through personal contacts, seven (7) methods demonstrations on how to prepare milking utensils before, while using, and after milking.

Further we demonstrated how to prepare the cow for milking and how to milk. As a result of these contacts and demonstrations, to which fifty three (53) attended, has been that the quality of milk increased because of the drop in the bacteria count, butter fat tests are higher, and farmers are getting more money for the milk sold.

PUREBRED SIRES

PUREBRED SIRES PLACED: Two (2) purebred dairy bulls were placed with two farmers in Newberry county in 1947, both of these bulls were placed through personal contact. Purebred bulls in the county now are within walking distance of every farmer. A list of these placings are as follows:

SUMMARY PUREBRED DAIRY BULLS PLACED IN 1947			
Name	Breed	No. Placed	Cost
Paul Williams	Jersey	1	\$25.00
Andrew Gary	Jersey	1	\$55.00
Totals		2	\$80.00

SUMMARY PUREBRED DAIRY BULLS PLACED 1945 - 1947

<u>Year</u>	<u>Number Placed</u>
1945	2
1946	3
1947	2

Totals placed in 3 years	7
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BULL RECORD DEMONSTRATIONS: Three demonstrations records of purebred service, were kept by farmers owning registered bulls in 1947. In the communities where these bulls serve, agreements are made with farmers to use only these purebred bulls, so as to help facilitate the upkeep of the bull, and thereby grading up their cattle in the meantime. A summary of these records follows:

SUMMARY PUREBRED BULL SERVICE DEMONSTRATIONS -1947-

<u>Name of Owner</u>	<u>Breed Of Bull</u>	<u>Number other persons breeding to bull</u>	<u>Number cows breed to bull in 1947</u>	<u>Total number heifers dropped in 1947</u>	<u>Total number bulls dropped in 1947</u>	<u>Number years this bull owned</u>
Archie Hill	Jersey	16	24	12	6	3
Henry Glasgow	Jersey	18	27	14	9	3
L.H.Davenport	Jersey	9	11	3	1	2
<u>Totals</u>		33	62	29	16	

The dairy cattle in Newberry County are gradually but steadily being improved. It is not the hope of this agent to ever get all registered cattle in the county, but it is our hope that all will eventually be high grades. This aim is gradually being realized through the use of purebred bulls.

SUMMARY OF HIGH GRADE HEIFERS PLACED IN -1947-

<u>Name</u>	<u>Breed</u>	<u>Cost</u>
Daniel Reuben	1 Jersey	\$20.00
Thomas Broadwater	1 Jersey	\$10.00
Ernest Dudley	1 Guernsey	\$85.00
Mark Dudley	1 Guernsey	\$10.00
Peter Chaplin	1 Jersey	\$10.00
Timothy Bouknight	1 Jersey	\$10.00
Eugene Eichelberger	1 Jersey	\$10.00
Charles Chalmers	1 Jersey	\$10.00
J.R. Bobo	1 Jersey	\$10.00
Willie L Smith	1 Jersey	\$10.00
M.L.Scurry	1 Jersey	\$10.00
<u>Totals</u>	11	\$185.00

SUMMARY PUREBRED DAIRY BULLS PLACED 1945 - 1947

<u>Year</u>	<u>Number Placed</u>
1945	2
1946	3
1947	2

Totals placed in 3 years 7

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The dairy cattle in Newberry County are gradually but steadily being improved. It is not the hope of this agent to ever get all registered cattle in the county, but it is our hope that all will eventually be high grades. This aim is gradually being realized through the use of purebred bulls.

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Timothy Bouknight	1 Jersey	\$10.00
Eugene Eichelberger	1 Jersey	\$10.00
Charles Chalmers	1 Jersey	\$10.00
J.R. Bobo	1 Jersey	\$10.00
Willie L Smith	1 Jersey	\$10.00
M.L.Scurry	1 Jersey	\$10.00
<u>Totals</u>	<u>11</u>	<u>\$185.00</u>

SUMMARY HIGH GRADE HEIFERS PLACED *- 1944 THROUGH -1947

Year	Number Placed
1944	7
1945	28
1946	14
1947	11
Totals	60

All of the calves placed are from local dairies in the county, and are out of high grade producing dams and registered sires. This work shall be continued so as to get better producing cows and good quality milk in the county.

THE FAMILY COW: In keeping with the food and feed program, our slogan of "every farm family a cow", we continued our efforts this year in assisting farmers in securing cows for the family's use. This was done by personal contact, individual letters, the issuance of 110 bulletins, and six (6) meetings which we scheduled and held with sixty four (64) farmers attending. At these meetings we taught farmers the importance of having a milk cow, how to go about selecting one, and how and with what to feed same. As a result thirty seven (37) farm families have secured milk cows.

ANNUAL GRAZING CROPS

So that farmers who have gone into dairying in the county may produce quality milk and in such a quantity so as to be economical and profitable, we continued this year to urge, assist, and encourage farmers to produce summer and winter raising crops to supplement their pastures. This was done through personal contact, community and neighborhood leaders, and two (2) county meetings, one on summer grazing, the other on winter grazing. As a result of these contacts and meetings, crops for grazing were increased seventy five (75) percent.

SUMMER GRAZING CROPS: Three demonstrations of the production of summer grazing crops were completed in 1947. A summary of these demonstrations follows:

SUMMARY SUMMER GRAZING CROPS DEMONSTRATION * -1947-

Name	Crop	Acres	No. Cows	Months Grazed	Value
L.H. McNary	Pearl Millet	1	4	3	\$47.90
Tom Clark	Pearl Millet	1	4	3	\$49.20
Will Cannon	Pearl Millet	1½	6	3	\$56.10
Totals		3½	14		\$153.20

4-H DAIRY CALF CLUB WORK

Our 4-H dairy calf club work in 1947 consisted of the following: Record keeping, meetings, educational informational on feeding, care, and preparation of calves for district calf show. Each of the twenty four (24) boys completing records, were furnished records books prepared by the South Carolina Extension Service. These records were checked once a month by agent and problems arising from the project were discussed. A summary of the twenty four (24) records completed follows.

Summary Of Dairy Calf Club Demonstrations

Name	No. Ani- mals be- ginning Of Year	No. Ani- mals at End of Year	Value	Cost	Profit
Woodrow Elkins	1	1	\$40.70	\$27.35	\$13.35
John E. Counts	1	1	\$84.25	\$41.55	\$42.70
Eugene Eichelberger	1	1	\$76.40	\$43.80	\$32.60
Fritzell Means	1	1	\$82.65	\$46.10	\$36.55
Ernest Dudley	1	1	\$48.90	\$29.30	\$19.60
McKinley Clark	2	2	\$133.35	\$69.20	\$64.15
Thomas Hardy	1	1	\$ 23.20	\$11.00	\$12.20
Charlie Gallman	1	1	\$ 92.65	\$48.30	\$44.35
Clyde Bouknight	1	1	\$ 87.80	\$42.40	\$45.60
Timothy Bouknight	1	1	\$115.10	\$52.05	\$62.05
Marie Hill	1	1	\$ 94.35	\$47.05	\$47.30
Andrew Turley	1	1	\$105.45	\$48.90	\$56.55
Heyward Davenport	2	2	\$159.70	\$73.40	\$86.30
James Glymph	2	2	\$168.55	\$74.20	\$94.35
Henry Glasgow	1	1	\$ 94.70	\$51.05	\$42.65
Edward Wheeler	1	1	\$ 78.45	\$41.20	\$37.25
Bernice Dowdy	2	2	\$134.65	\$71.00	\$63.65
Betty Lou Cannon	2	2	\$148.90	\$76.25	\$72.65
Thomas Chaplin	1	1	\$ 42.35	\$27.40	\$14.95
Max Dudley	1	1	\$ 54.60	\$37.25	\$17.35
Bennie Chalmers	1	1	\$ 61.10	\$40.05	\$21.05
Andrew Floyd	1	1	\$ 42.00	\$19.80	\$22.20
R.E. Bobe	1	1	\$ 94.75	\$42.10	\$52.65
Thomas Broadwater	1	1	\$ 51.00	\$29.90	\$21.10
Totals	29	29	\$2113.80	\$1190.65	\$1023.15

This summary shows that twenty nine (29) animals had a total value of \$2113.80 and were fed out at a cost of \$1190.65, leaving a net profit of \$1023.15 to members, or an average profit of \$35.27 per member.

Seven of these animals were shown at the district show held in Chester, S.C. in competition with four other counties placings won are as follows: One first place, two second places, three third places, and on fourth place. Prizes amounted to \$28.00

Club members this year in following our program of breeding up, bred eighteen (18) calves to registered bulls, and all others to be bred will be bred the same way.

Entomology And Plant Pathology

Work in entomology and plant pathology in 1947 in Newberry County composed the following: Educational work and method demonstrations with plant diseases, crop insects, and parasitic insects on animals.

Garden insects: so that an adequate check be made of garden insects in the county, we scheduled and held two meetings to which 39 farmers attended, and at which time we discussed the relative value of all prominent insecticides to be used in poisoning insects that inhabit garden plants. In addition to these meetings we gave 4 method demonstrations on making a home made duster at a cost of .04 and demonstrated its use.

Further, 119 bulletins on garden insects were mailed and handed out. As a result of these meetings, demonstrations and bulletins, 61 persons have reported that garden insects in their garden were less than 5%.

Crop Diseases

This year 5 method demonstrations in five different communities were given in the control of seed born diseases using 2% ceresan in cotton, 67 persons attended these demonstrations and all promised to treat or buy seeds already treated. In addition to these demonstrations, the county agent with the able assistance of neighborhood leaders and county committeemen made 363 personal contacts to farmers to explain the purpose of and to encourage them to treat their cotton, oats, and wheat seeds before planting. As a result of this intensive effort, more than 65% of all cotton and small grains planted in the county was treated.

Chinch and Bill Bug Control in Cotton

Three (3) method demonstrations and one meeting were held in regards to the control of chinch bugs and bill bugs in corn. At the 3 method demonstrations to which 36 persons attended, we taught farmers what bait to use, how to mix and apply. It was further explained at the meeting and demonstrations how to rotate crops so that corn will not be planted adjoining grain which is one way of control. As a result of the demonstrations and the meeting 128 farmers followed our recommended practices, and chinch and bill bug damage were at a minimum.

Chicken Pox and Coccidiosis

Because of the increased poultry production this year by 4-H'ers and adults, for home consumption and the market, it became necessary to campaign against chicken pox and coccidiosis. This was done in the following manner: First we trained 11 4-H club teams composed of 4-H boys each in vaccinating poultry and controlling coccidiosis. Second farmers were informed of the service which could be had by these teams if they purchased the materials necessary for the control of these diseases. As a result we assisted 84 farmers in getting materials for vaccinating. The vaccinating itself was demonstrated to them by the 4-H team in their community. As a result of vaccinating, sanitation, and improved feeding practices for control of chicken pox and coccidiosis 105 adults and 4-H club members raising poultry had an average mortality rate in their flocks of 15%. Three demonstrations were completed in vaccinating poultry, and will be reported under poultry.

Cattle Lice Control

four(4) method demonstrations were conducted this year on the control of cattle lice, using a 50% solution of DDT with 47 farmers attending. All of these farmers are now using this control method and are keeping their cattle free of lice. In addition to these demonstrations one circular letter was mailed to 210 farmers carrying the information of the control method, and giving directions for use.

Peach Diseases: Three method demonstrations were given this year on the control of brown rot using the 80-5-15 dust mixture. the results of these demonstrations were very satisfactory. 11 of the 24 farmers who attended the method demonstrations tried the mixture and reported also satisfactory.

4-H Club Work

Four-H club work has been conducted in thirteen (13) communities with one hundred and forty seven (147) boys enrolled. Each club held monthly meetings which were supervised by local leaders. Following is a summary of the completed demonstrations.

Summary 4-H Club completed Demonstrations In 1947

Crop	Number	Value		
Demonstration	Completed	Products	Cost	Profit
Cotton	9	\$1651.29	\$515.15	\$1136.14
Corn	48	\$2329.50	\$2027.05	\$ 302.45
Poultry	48	\$4267.50	\$3302.00	\$ 964.50
Pig (F)	14	\$ 692.22	\$ 317.83	\$ 374.79
Pig (SL)	100	\$ 529.44	\$ 330.91	\$ 198.53
Calf (D)	29	\$2394.25	\$1205.98	\$1188.79
Potatoes	16	\$1203.10	\$ 637.75	\$ 565.35
Garden	41	\$1971.15	\$1160.82	\$ 810.33
Peanuts	8	\$ 471.40	\$ 199.30	\$ 272.10
Totals	222	\$15,509.85	\$9,696.19	\$3,813.16

The above summary shows that the 4-H boys completing two hundred and twenty two (222) demonstrations, produced farm products to the value of fifteen thousand, five hundred nine dollars, and eighty five cents (15,509.85) at a cost of nine thousand, six hundred ninety six dollars, nineteen cents (\$9,696.19), leaving a profit of three thousand, eight hundred thirteen dollars, sixteen cents (\$3,813.16).

Following is given a summary of all 4-H club records on individual projects. A copy of these records has been mailed to the Assistant District Agent.

Summary 4-H cotton club Records-1947-

Name	No. Of Acres	Yield Lint Pounds	Value	Cost	Profit
Alphonzo Ettison	1	547	\$218.19	\$64.70	\$153.49
Rayman Means	1	495	\$202.75	\$67.90	\$134.85
John B. Glenn	1	523	\$215.36	\$61.20	\$154.16
James Spearman	$\frac{1}{2}$	300	\$129.80	\$34.70	\$ 96.10
Rafe Byrd	1	564	\$228.85	\$68.40	\$160.45
James Graham	$\frac{1}{2}$	270	\$111.30	\$37.80	\$ 73.50
Fletcher Chaplin	$\frac{1}{2}$	255	\$106.70	\$39.25	\$ 67.45
Orlanda Hardy	1	508	\$212.30	\$69.40	\$142.90
Thomas Praylow	1	542	\$225.04	\$71.80	\$153.24

Summary 4-H Corn Club Records - 1947

Name	No. Acres	Yield Bushel	Value	Cost	Profit
McKinley Clark	1	50	\$100.00	\$89.90	\$10.10
Ernest Dudley	1	44	\$ 88.00	\$82.20	\$ 5.80
Mark Dudley	$\frac{1}{2}$	23	\$ 46.00	\$41.75	\$ 4.25
Peter Ellison	$\frac{1}{2}$	27	\$ 54.00	\$49.75	\$ 4.25
John Williams	$\frac{1}{2}$	19	\$ 38.00	\$41.00	\$ 0.00
Jessie Jackson	$\frac{1}{2}$	20	\$ 40.00	\$38.40	\$ 1.60
Willie Reeder	$\frac{1}{2}$	24	\$ 48.00	\$45.90	\$ 2.10
Fred Hawkins	1	39	\$ 78.00	\$71.25	\$ 6.75
Bobby Alexander	$\frac{1}{4}$	9	\$ 18.00	\$ 7.75	\$.25
Robert Williams	$\frac{1}{2}$	28	\$ 56.00	\$52.25	\$ 3.75
Horace Whitner	$\frac{1}{2}$	31	\$ 62.00	\$58.00	\$ 4.00
Edward Sarders	1	44	\$ 88.00	\$79.90	\$ 8.10
Collins Jeter	$\frac{1}{4}$	12	\$ 24.00	\$21.25	\$ 2.75
Hoover Gibson	$\frac{1}{2}$	22	\$ 44.00	\$41.70	\$ 2.30
Eugene Gibson	1	49	\$ 98.00	\$91.00	\$ 7.00
Thomas Ettison	$\frac{1}{4}$	16	\$ 32.00	\$27.25	\$ 4.75
Melvin Johnson	1	47	\$ 94.00	\$87.75	\$ 6.25
Fritzell Means	$\frac{1}{4}$	18	\$ 36.00	\$31.05	\$ 4.95
Bobby Dawkins	$\frac{1}{2}$	24	\$ 48.00	\$42.35	\$ 5.65
Bennie Dawkins	$\frac{1}{2}$	31	\$ 62.00	\$55.90	\$ 6.10
R.E. Bobo	1	52	\$104.00	\$91.20	\$12.80
Walter Rickard	$\frac{1}{4}$	11	\$ 22.00	\$19.15	\$ 2.85
Willie Cureton	$\frac{1}{2}$	14	\$ 28.00	\$24.05	\$ 3.95
Timothy Bouknight	$\frac{1}{2}$	27	\$ 54.00	\$46.25	\$ 7.75
Willie Farrow	$\frac{1}{2}$	18	\$ 36.00	\$18.25	\$17.75
Bennie Williams	$\frac{1}{2}$	22	\$ 44.00	\$19.50	\$24.50
Soloman Davenport	$\frac{1}{2}$	16	\$ 32.00	\$19.27	\$12.75

Summary Of Corn Records Con't.

Name	No. Acres	Yield Bushel	Value	Cost	Profit
James Floyd	$\frac{1}{8}$	21	\$42.00	\$23.50	\$18.50
Elizajob Graham	$\frac{1}{4}$	11	\$22.00	\$14.75	\$ 7.25
Rafe Byrd	$\frac{1}{4}$	9	\$18.00	\$15.25	\$ 2.75
Fletcher Chaplin	$\frac{1}{8}$	24	\$48.00	\$27.25	\$20.75
Thomas James	$\frac{1}{4}$	8	\$16.00	\$14.50	\$ 1.50
Arthur Scurry	$\frac{1}{4}$	9	\$18.00	\$15.50	\$ 2.50
James Glymph	1	45	\$90.00	\$73.25	\$16.75
Orlander Hardy	1	49	\$98.00	\$78.50	\$19.50
J.B.Blair	$\frac{1}{4}$	7	\$14.00	\$13.25	\$.75
Abraham Cole	$\frac{1}{2}$	17	\$34.00	\$29.50	\$ 4.50
Ramsey Harte	$\frac{1}{4}$	8	\$16.00	\$16.50	\$.00
Walter Williams	$\frac{1}{2}$	15	\$30.00	\$28.75	\$ 1.25
Claude Myers	$\frac{1}{8}$	18	\$36.00	\$32.25	\$ 3.75
William E. Wheeler	$\frac{1}{4}$	11	\$22.00	\$18.75	\$ 3.25
Willie Bates	$\frac{1}{4}$	26	\$52.00	\$47.50	\$ 4.50
Thomas Praylow	1	42	\$84.00	\$76.25	\$ 7.75
Earl Monts	$\frac{1}{4}$	21	\$42.00	\$38.95	\$ 4.05
Henry Praylow	$\frac{1}{4}$	13	\$26.00	\$24.80	\$ 2.20
George Werts	$\frac{1}{2}$	31	\$62.00	\$30.10	\$31.90
David L.Alston	1	38	\$76.00	\$69.75	\$ 6.25
L.Q.Axner	$\frac{1}{4}$	18	\$36.00	\$35.25	\$.75
Totals	48	1178	\$2329.50	\$2027.05	\$302.45

Summary Of 4-H Poultry Club Demonstrations-1947

Name	No. Of Chickens	Total Value	Total Cost	Profit
Robert Hunter	50	\$ 40.00	\$ 31.00	\$ 9.00
James Lark	75	\$ 60.00	\$ 46.50	\$13.50
Willie L. Rutherford	110	\$ 88.00	\$ 68.20	\$19.80
George Lake	150	\$120.00	\$ 93.00	\$27.00
George Wise	200	\$160.00	\$124.00	\$36.00
Ernest Clarke	100	\$ 80.00	\$ 62.00	\$18.00
Randolph Wise	150	\$120.00	\$ 93.00	\$27.00
Charles Duckett	200	\$160.00	\$124.00	\$36.00
Robert L. Bridge	85	\$ 68.00	\$ 52.70	\$15.30
Nathaniel DeWalt	70	\$ 56.00	\$ 41.00	\$15.00
Randolph Young	60	\$ 48.00	\$ 37.20	\$10.80
George A. Williams	60	\$ 48.00	\$ 37.20	\$10.80
Elbert Moon	80	\$ 64.00	\$ 49.60	\$14.40
Fred Dominick	85	\$ 68.00	\$ 52.70	\$15.30
Booker J. Young	100	\$ 80.00	\$ 62.00	\$18.00
Willie F. Young	150	\$120.00	\$ 93.00	\$27.00
Oddie Ree McFall	170	\$136.00	\$105.40	\$30.60
William L. Hollman	200	\$160.00	\$124.00	\$36.00
Harry Nellums	140	\$112.00	\$ 86.80	\$25.20
Woodrow Hallman	175	\$140.00	\$108.50	\$31.50
Joseph C. Counts	135	\$108.00	\$ 83.70	\$24.30
William DeWalt	20	\$ 16.00	\$ 12.40	\$ 3.60
Willie E. Reuben	40	\$ 32.00	\$ 24.80	\$ 7.20
J.D. Hall	100	\$ 80.00	\$ 62.00	\$18.00
Charles Broadwater	55	\$ 44.00	\$ 33.00	\$11.00
Burnes Wise	70	\$ 56.00	\$ 41.00	\$15.00
Henry Praylow	65	\$ 52.00	\$ 38.00	\$14.00

Summary Of 4-H Poultry Club Records Con't.

Name	No. Of Chickens	Total Value	Total Cost	Profit
Y.C.Williams	100	\$ 80.00	\$ 62.00	\$18.00
James Monts	125	\$100.00	\$ 77.50	\$22.50
Norman Wise	115	\$ 92.00	\$ 71.30	\$20.70
Samuel Werts	80	\$ 48.00	\$ 37.20	\$10.80
Walter Williams	200	\$160.00	\$124.00	\$36.00
Sims Cullum	150	\$120.00	\$ 93.00	\$27.00
William E.Wheeler	175	\$140.00	\$108.50	\$31.50
George Krepts	200	\$160.00	\$124.00	\$36.00
James Simpson	95	\$ 76.00	\$ 60.90	\$15.10
Willie E.Wheeler	90	\$ 72.00	\$ 57.80	\$14.20
Thomas Chaplin	80	\$ 64.00	\$49.60	\$14.40
Johnnie Suber	50	\$ 40.00	\$31.00	\$ 9.00
James Cole	100	\$ 80.00	\$ 62.00	\$18.00
Melvin A. Jones	100	\$ 80.00	\$ 62.00	\$18.00
James Robinson	200	\$160.00	\$124.00	\$36.00
David Harmon	50	\$ 40.00	\$ 31.00	\$ 9.00
Joseph Scurry	75	\$ 60.00	\$46.50	\$13.50
Theodore Leak	50	\$ 40.00	\$ 31.00	\$ 9.00
Eugene Stephens	100	\$ 80.00	\$ 62.00	\$18.00
Walter Rickard	175	\$140.00	\$108.50	\$31.50
Clyde Bouknight	150	\$120	\$ 93.00	\$27.00
Totals	5338	\$4267.50	\$3302.00	\$964.50

Summary Of Pig (F) Club Records -1947-

Name	Number Animals	Days Fed	Gain In Weight	Value	Cost	Profit
Olden Lake	1	240	203	\$ 48.72	\$22.12	\$26.60
Heyward Gray	1	190	186	\$ 44.64	\$19.70	\$24.94
James Gallman	1	221	210	\$ 50.40	\$25.50	\$24.90
Johnnie Rutherford	1	145	130	\$ 31.20	\$14.81	\$16.39
J.C.Cooper	1	235	235	\$ 56.40	\$24.40	\$32.00
Charles Duckett	2	380	340	\$ 81.60	\$27.90	\$53.70
Jack Edwards	2	460	439	\$105.36	\$51.35	\$54.01
Randolph young	1	181	152	\$ 36.48	\$16.60	\$19.88
Joe A. Moon	1	118	112	\$ 26.88	\$11.10	\$15.78
Richard Wise	1	123	117	\$ 27.08	\$14.00	\$13.08
Nathan Holman	1	233	218	\$ 54.32	\$24.15	\$30.17
James Boyd	2	250	233	\$ 55.92	\$23.90	\$32.02
Joseph Brown	1	139	124	\$ 29.76	\$12.75	\$17.01
S.J.Broadwater Jr.	1	184	184	\$ 44.16	\$30.25	\$13.91
Totals	17		2893	\$692.22	\$317.83	\$374.79

Summary Of Pig (SL) club Records-1947-

Name	Number Animals	Days Fed	Gain In Weight	Value	Cost	Profit
Vernon Wise	1	179	179	\$42.96	\$26.00	\$16.96
Freddie Bowers	2	362	351	\$84.24	\$50.11	\$34.13
Willie Bates	1	157	142	\$34.08	\$18.60	\$15.48
Abraham Cole	1	188	188	\$45.12	\$25.75	\$19.37
Eugene Counts	2	480	401	\$96.24	\$67.20	\$29.04
Thomas Hardy	1	156	146	\$35.04	\$13.40	\$21.64
John Cannon	1	145	132	\$31.68	\$10.80	\$20.88

Summary Of Pig(SL) Club Records Con't.

Name	Number Animals	Days Fed	Gain In Weight	Value	Cost	Profit
James Spearman	1	237	237	\$56.88	\$49.25	\$ 7.63
Bobby Alexander	1	240	240	\$57.60	\$38.70	\$18.90
Willie L. Smith	11	194	190	\$45.60	\$31.10	\$14.50
Totals	12		2196	\$529.44	\$230.91	\$198.53

Dairy Club Calf Records
(Reported under dairying)

Summary 4-H Sweet Potato Club Records-1947

Name	No. Of Acres	Yield In Bushels	Value	Cost	Profit
George R. Wise	$\frac{1}{4}$	43	\$ 90.30	\$41.65	\$49.65
Allen J. Wise	$\frac{1}{4}$	34	\$ 71.40	\$43.20	\$28.20
Fred Crump	$\frac{1}{4}$	27	\$ 56.70	\$29.90	\$26.80
Peter Williams	$\frac{1}{4}$	47	\$ 98.70	\$48.60	\$50.10
George Werts	$\frac{1}{4}$	41	\$ 86.10	\$52.35	\$33.75
James Monts	$\frac{1}{4}$	24	\$ 50.40	\$29.20	\$21.20
J.B. Blair	$\frac{1}{4}$	49	\$102.90	\$56.15	\$46.75
Willie Wyatts	$\frac{1}{4}$	43	\$ 90.30	\$42.55	\$48.75
Bennie Davenport	$\frac{1}{4}$	24	\$ 50.40	\$26.30	\$24.10
Paul DeWalt	$\frac{1}{4}$	45	\$ 94.50	\$40.15	\$54.35
Andrew Clark	$\frac{1}{4}$	22	\$ 44.00	\$28.00	\$16.00
George Gibson	$\frac{1}{4}$	39	\$ 91.90	\$46.10	\$45.80
Bobby Dawkins	$\frac{1}{4}$	44	\$ 92.40	\$47.50	\$34.90
Martin Dawkins	$\frac{1}{4}$	17	\$ 35.70	\$29.10	\$ 6.60
Peter Ellison	$\frac{1}{4}$	26	\$ 54.60	\$27.80	\$26.80
Arthur Chalmers	$\frac{1}{4}$	48	\$100.80	\$49.20	\$51.60
Totals	6 $\frac{1}{4}$	573	\$1203.10	\$637.75	\$565.35

Summary 4-H Garden Report Records-1947-

Name	No.Of Acres	Yield Bushels	Value	Cost	Profit
McKinley Clark	$\frac{1}{4}$	12	\$ 51.00	\$27.50	\$20.50
James Chalmers	$\frac{1}{4}$	9	\$ 38.25	\$24.10	\$14.15
Jesse Jackson	$\frac{1}{4}$	8	\$ 34.00	\$25.70	\$ 6.30
Heyward Davenport	$\frac{1}{4}$	10	\$ 42.50	\$24.75	\$17.75
James Chick	$\frac{1}{4}$	11	\$ 46.75	\$24.90	\$21.80
Rudolph Hodges	$\frac{1}{4}$	6	\$ 25.50	\$19.00	\$ 6.50
Eugene Whitner	$\frac{1}{4}$	12	\$ 51.00	\$29.10	\$21.90
Floyd Watkins	$\frac{1}{4}$	9	\$ 38.25	\$23.60	\$14.65
Olin Goodlyn	$\frac{1}{2}$	17	\$ 72.25	\$48.20	\$24.05
Melvin Johnson	$\frac{1}{4}$	8	\$ 34.00	\$23.00	\$11.00
Yancie Dawkins	$\frac{1}{4}$	10	\$ 42.50	\$26.15	\$16.35
Alphonzo Ettison	$\frac{1}{2}$	22	\$ 93.50	\$48.05	\$45.45
Clarence Sims	$\frac{1}{2}$	22	\$ 93.50	\$49.00	\$44.50
George S. Sanders	$\frac{1}{2}$	20	\$ 85.00	\$55.90	\$29.10
John Means	$\frac{1}{4}$	10	\$ 42.50	\$27.60	\$14.90
Clyde Bouknight	$\frac{1}{4}$	9	\$ 38.25	\$19.75	\$18.50
Robert Williams	$\frac{1}{4}$	11	\$ 46.75	\$26.30	\$20.45
Bennie Williams	$\frac{1}{4}$	11	\$ 46.75	\$21.14	\$25.61
Andrew Floyd	$\frac{1}{4}$	9	\$ 38.25	\$20.30	\$17.90
James Williams	$\frac{1}{4}$	8	\$ 34.00	\$24.40	\$ 9.60
Willie Wyatts	$\frac{1}{2}$	24	\$102.00	\$59.70	\$42.30
Joseph Scurry	$\frac{1}{2}$	24	\$102.00	\$54.85	\$47.15
James Robinson	$\frac{1}{4}$	6	\$ 25.50	\$18.75	\$16.75
Eugene Stephens	$\frac{1}{4}$	9	\$ 38.25	\$23.20	\$15.05
Arthur Scurry	$\frac{1}{4}$	10	\$ 42.50	\$23.70	\$18.80
Thomas Chaplin	$\frac{1}{4}$	9	\$ 38.25	\$23.50	\$14.75
Johnnie Suber	$\frac{1}{4}$	9	\$ 38.25	\$20.10	\$18.15

Summary 4-H Garden Club Records Con't.

Name	No.Of Acres	Yield Bushels	Value	Cost	Profit
James Cole	$\frac{1}{4}$	6	\$25.50	\$17.80	\$ 7.70
Robert Boyd	$\frac{1}{4}$	7	\$29.75	\$20.25	\$ 9.50
John Cannon	$\frac{1}{4}$	8	\$34.00	\$26.30	\$ 7.70
Freddie Bowers	$\frac{1}{4}$	7	\$29.75	\$19.50	\$10.25
Y.J.Glasgow	$\frac{1}{4}$	8	\$34.00	\$22.50	\$11.50
L.Q.Axner	$\frac{1}{4}$	8	\$34.00	\$24.00	\$10.00
David L.Alston	$\frac{1}{4}$	9	\$38.25	\$19.85	\$18.40
Ervin Tribble	$\frac{1}{4}$	24	\$102.00	\$52.90	\$49.10
James Boyd	$\frac{1}{4}$	11	\$ 46.75	\$25.13	\$13.62
John Williams	$\frac{1}{4}$	12	\$ 51.00	\$28.10	\$22.90
Richard Wise	$\frac{1}{4}$	10	\$ 42.50	\$22.70	\$19.80
Nathan Hollman	$\frac{1}{4}$	9	\$ 38.25	\$20.15	\$18.10
Allen Wise	$\frac{1}{4}$	11	\$ 46.75	\$28.40	\$16.35
Jack Edwards	$\frac{1}{4}$	10	\$ 42.50	\$21.10	\$21.40
Totals	12	465	\$1971.15	\$1160.82	\$810.33

Summary 4-H Peanut Club Records-1947-

Name	No.Of Acres	Yield Bu-shels	Value	cost	Profit
Samuel Counts	$\frac{1}{4}$	9	\$57.80	\$21.45	\$34.35
Albert Gaffney	$\frac{1}{4}$	10	\$62.00	\$26.15	\$35.85
James Gibson	$\frac{1}{4}$	8	\$49.60	\$19.85	\$29.75
John Means	$\frac{1}{4}$	12	\$74.40	\$27.20	\$47.20
John Williams	$\frac{1}{4}$	9	\$57.80	\$22.20	\$33.60
Huey Farrow	$\frac{1}{4}$	11	\$68.20	\$26.90	\$41.30
George Krepts	$\frac{1}{4}$	7	\$43.40	\$27.15	\$16.25
Vernon Wise	$\frac{1}{4}$	10	\$62.00	\$28.20	\$33.80
Totals	2	76	\$411.40	\$199.30	\$272.10

4-H Club Achievement Day

The annual 4-H Club rally and achievement day program was held on the 30th. of April, 1947, at the Hannah School, with three hundred and sixty four (364) members and friends attending.

The main interest of the program were demonstrations given by Mr. Wayman Johnson, Ass't Dist. Agent, Mr. D.G. Belton, Agri. Agent of Fairfield Co., Mrs. Marion B. Paul, State Agent for Home Dem. Work, and Miss Mabel Price, Ass't State Home Agent.

Other highlights of the program were a skit presented by the Hannah school entitled, "The Review Of The Emblem", progress reports from the thirteen (13) clubs, exhibits, from all clubs which were judged on the basis of quantity, quality, and arrangement. First prize for exhibits was won by the Hannah club, second prize was won by the Mt. Bethel Garmany Club.

4-H County Council

The 4-H County Council of Newberry County composed of ninety one (91) members have done much to strengthen and cement interest in 4-H club work among the members. Through the county council the 4-H enrollment was increased 10%, and completions were increased 20%. The county council met 4 times during the year and at each meeting a demonstration was presented by a demonstration team.

4-H Club Camp

A total of twenty nine (29) boys and 2 local leaders attended camp at Bettis Academy July 15th. This was a district camp composed of 5 counties and was well organized and enjoyed by all campers.

Judging Teams

One dairy cattle judging team composed of four boys was trained, and won third place in the contest at the district calf show held in Chester, S.C. Boys on this team were, Eugene Eichelberger, Clyde Bouknight, Andrew Turley, and John E. Counts.

Forestry

Work in forestry in 1947 consisted of thinning demonstrations.

Thinning Demonstrations

This year 2 4-H clubboys Thomas Broadwater, and David Reuben entered and completed demonstrations in the pulpwood thinning contest. Thomas competing in the one acre contest, won second county prize, which was \$7.00, in addition to the prize money won 5 cords of fuel wood was cut from the plot and sold for \$75.00, and a very much improved plot of timber results of which clubster and parents are proud, and plans have been made to thin entire timber land.

Daniel Reuben, who is the president of his local 4-H club, entered the 5 acre open state wide contest, and won first place in the county, a prize of twenty five (\$25.00) and came second in the district. In addition to prizes won Daniel cut fuel wood from his plot valued at \$225.00.

This contest has done much to arouse interest in forestry among farmers, and as a result we have assisted 3 farmers in estimating their timber before selling.

Horticulture

Work in horticulture this year included the following: Home orchards, home gardens, sweet potato demonstrations, and educational information through bulletins and circular letters.

Home Orchards

Continuing our efforts this year in getting more people to have more fruit in their diets and for commercial distribution, we have done the following: Issued to farmers the orchard letter prepared by the extension service, conducted 12 pruning demonstrations, 6 planting demonstrations, mailed and handed out 79 orchard bulletins entitled "The Farm Orchard". As a result of this we have assisted 48 farmers in securing peach, and pecans trees.

Home Gardening

work in home gardening this year consisted of the following: First, 212 personal contacts were made on farmers to encourage and impress upon them the importance of growing a year a round garden, bulletins were issued to all of these contacts. In addition 200 copies of the monthly garden letter prepared by the extension service was mailed each month. Further we assisted 19 farmers in marketing \$436.00 worth of snap beans and tomatoes.

Sweet Potatoes

So that farmers could increase the quality of sweet potatoes this year, we assisted 96 farmers in obtaining certified plants for planting. We also held two sweet potatoe meetings with 41 farmers attending at which time information was presented to farmers with reference to type of soil, fertilization and general cultural practices of sweet potatoes. Three harvesting and grading demonstrations were conducted, and 16 farmers were assisted in marketing \$1364.28 worth of potatoes on the green market. 4 sweet potatoe demonstrations were conducted this year, a summary of which follows:

Summary Of Sweet Potato Production Demonstrations

<u>Name</u>	<u>No.Of Acres</u>	<u>Yield Per Acre</u>	<u>Value</u>	<u>Cost</u>	<u>Profit</u>
Tom Clark	1	82	\$172.20	\$51.10	\$121.10
Jimmy Shelton	1	110	\$231.00	\$67.20	\$168.80
Rufus Davenport	1	122	\$256.20	\$74.50	\$181.70
Archie Hill	1	68	\$142.80	\$56.87	\$ 85.93
Totals	4	382	\$802.20	\$249.67	\$552.23

These demonstrations show that by following recommended practices these farmers raised on 4 acres of land 282 bushels of no.1 potatoes valued at \$802.20, with a cost of \$249.67, leaving a profit of \$552.23.

Poultry

Work in poultry in 1947 consisted of poultry production demonstrations, vaccination demonstrations, and educational work.

Production production: Four demonstrations were completed this year on poultry production, a summary of these demonstrations follows:

Summary Poultry Production Demonstration-1947-

Name	No. Birds	Value	Cost	Profit
Mary Eigner	600	\$480.00	\$222.00	\$258.00
Thomas Chaplin	260	\$208.00	\$ 96.20	\$111.80
George Praylow	470	\$376.00	\$155.40	\$220.60
Marth Jackson	180	\$144.00	\$ 66.60	\$77.40
Totals	1510	\$1208.00	\$540.20	\$703.80

Poultry is on the increase in Newberry county because now farmers are able to find a ready market for birds raised. The Agri. Agent aided in the purchasing of 24,000.00 baby chicks this year and assisted 89 clubsters and adults with poultry problems.

Vaccinating demonstrations of poultry: Three poultry vaccination demonstrations were completed this year for the control of chicken pox, a summary of these demonstrations follows:

Summary vaccination Demonstrations-1947-

Name	No.Birds Vaccinated	No. Died	No.Cases Chicken Pox
Ada Broadwater	225	11	1
Henry Monts	168	4	0
Nannie Thomas	215	8	4
Totals	608	23	5

Publicity

Publicity work and the distribution of educational information in connection with the 1947 extension program in Newberry County was done through circular letters, individual letters, bulletins, educational motion pictures, and press articles. A summary of which follows

Summary Publicity Work

Individual letters -----	663
Circular letters -----	8
Copies mailed -----	1277
Bulletins distributed -----	922
Educational motion pictures -----	2
Press articles written -----	6

5-Acre Pulpwood Thinning Demonstration-1947-



5-Acre Pulpwood Thinning Demonstration



Dynamiting Demonstration

